

**APPENDIX G**  
**MAXIMUM CONCENTRATION MAPS PRODUCED BY ECOLOGY**





# Tacoma Smelter Plume - Extended Footprint Arsenic Concentrations

## Map Features

### Tacoma Smelter Stack



### Maximum Arsenic Concentration (Extended Footprint Locations)

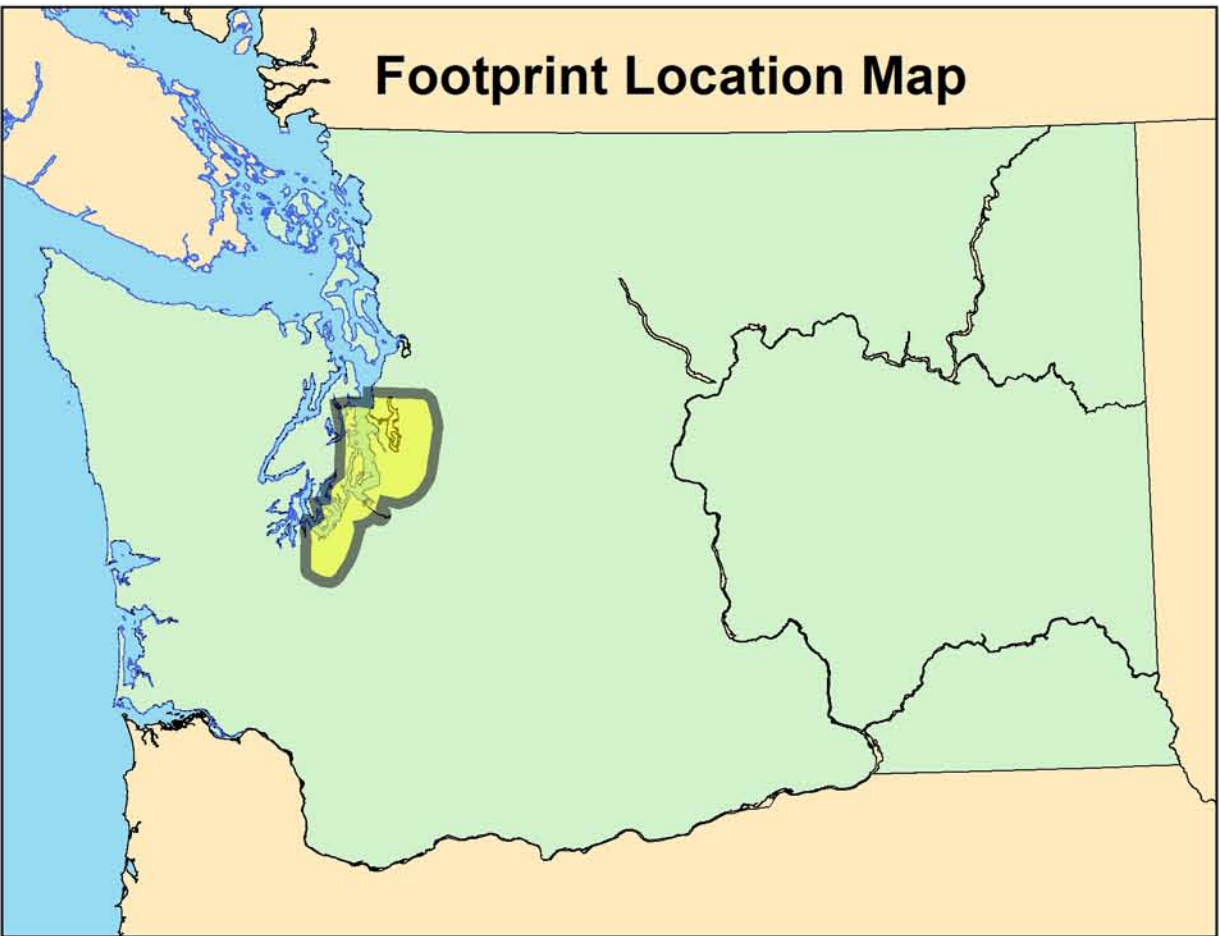
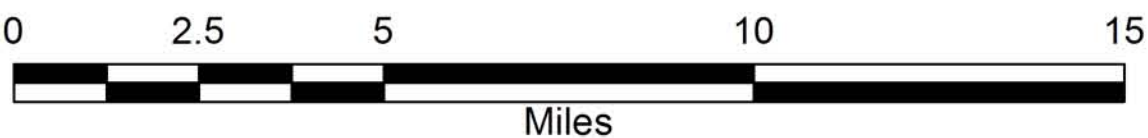
- ND - 20 ppm
- 20 - 100 ppm
- 100 - 200 ppm
- > 200 ppm

33.9 Arsenic concentration  
greater than 20 ppm

### Maximum Arsenic Concentration (Initial Footprint Locations)

- ND - 20 ppm
- 20 - 100 ppm
- 100 - 200 ppm
- > 200 ppm

ND = Not Detected  
ppm = parts per million



Map Updated: December, 2004



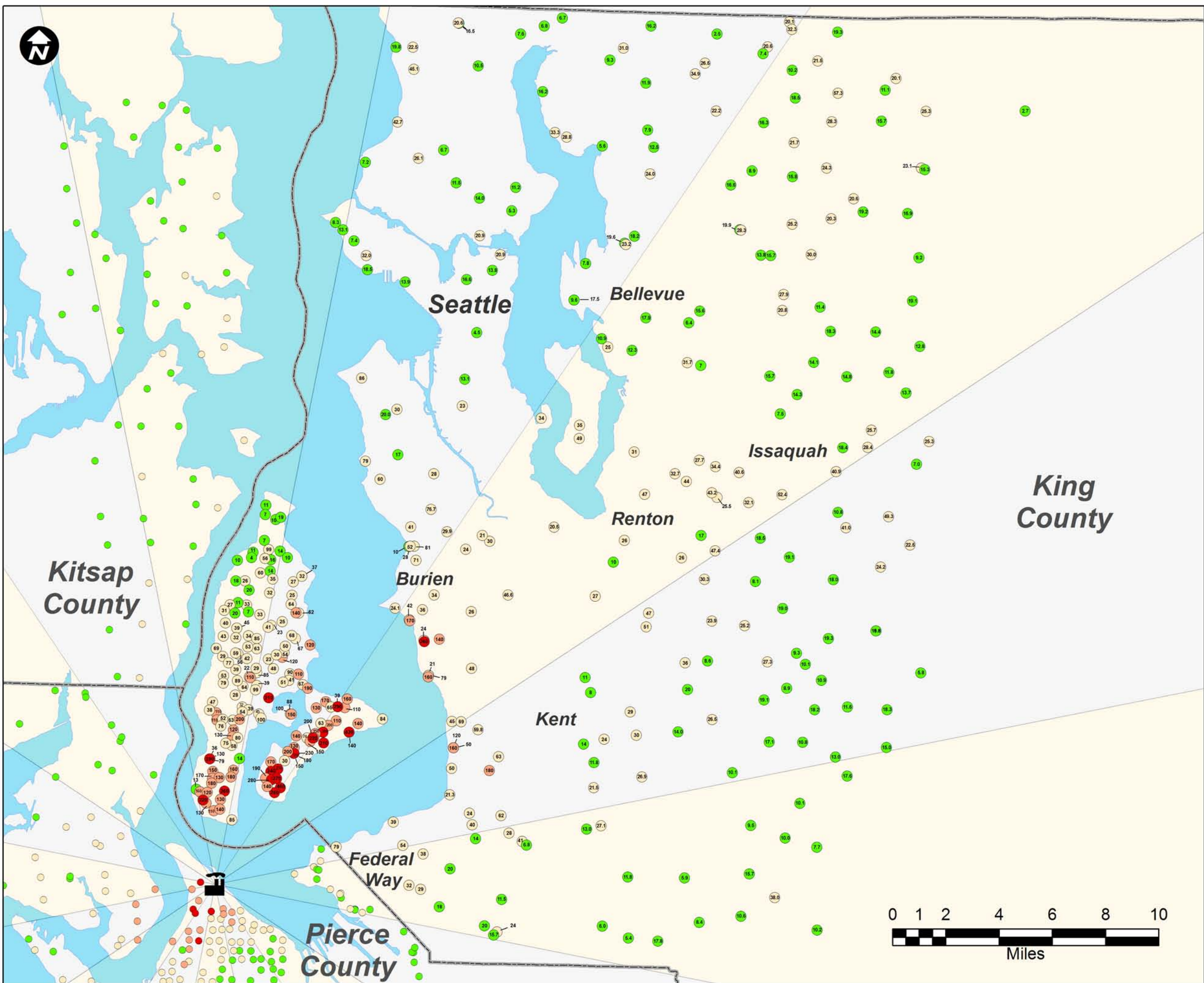
Kitsap  
County

King  
County

Pierce  
County

Thurston  
County





**Tacoma Smelter Plume - King  
County Maximum Arsenic Footprint**

**Map Features**

**Tacoma Smelter Stack**



**Maximum Arsenic Concentration  
(King County Locations)**

- ND - 20 ppm
- 20 - 100 ppm
- 100 - 200 ppm
- > 200 ppm

**Maximum Arsenic Concentration  
(Non-King County Locations)**

- ND - 20 ppm
- 20 - 100 ppm
- 100 - 200 ppm
- > 200 ppm

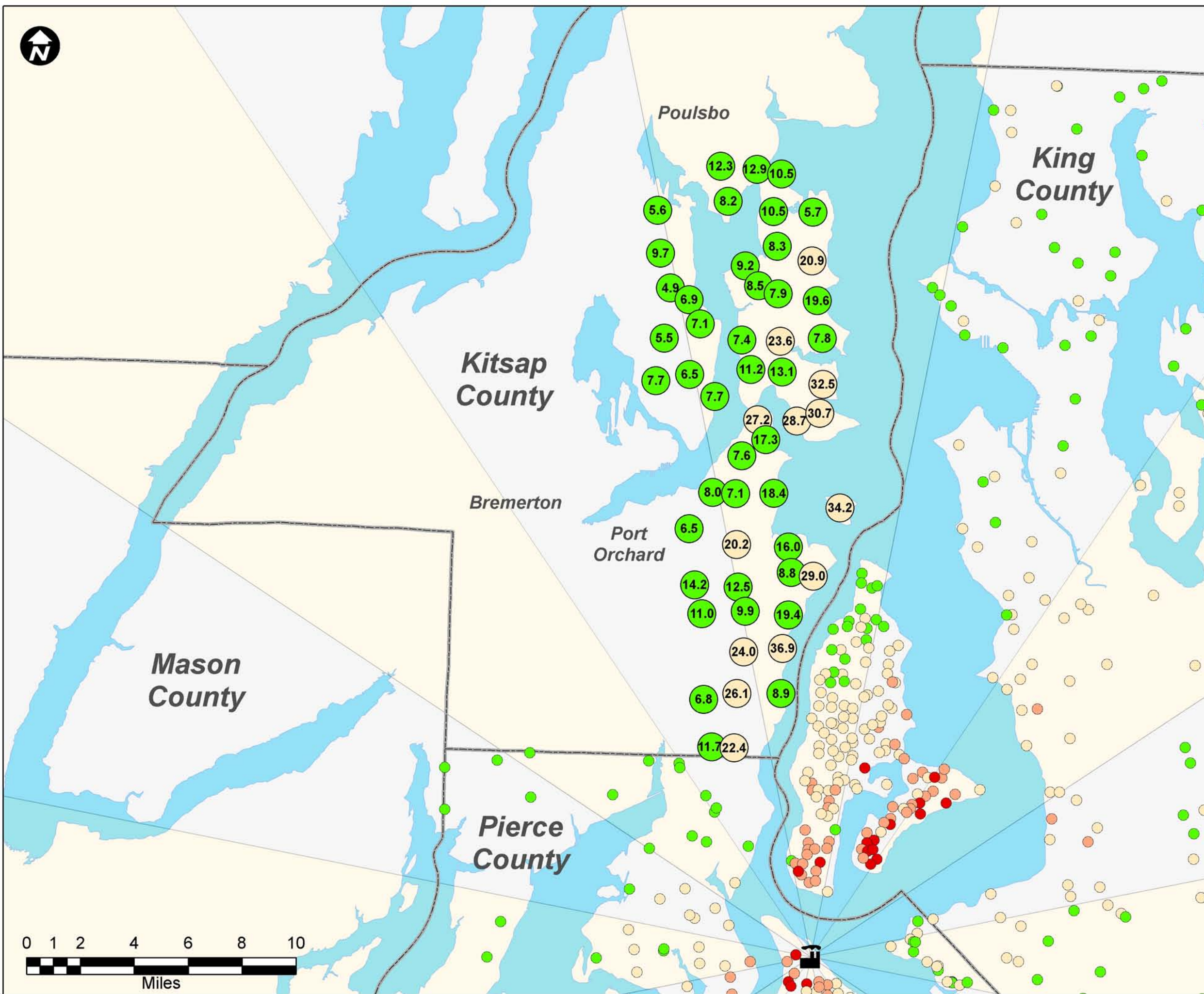
ND = Not Detected  
ppm = parts per million



Map Updated: December, 2004







# Tacoma Smelter Plume - Kitsap County Maximum Arsenic Footprint

## Map Features

### Tacoma Smelter Stack



### Maximum Arsenic Concentration (Kitsap County Locations)

- ND - 20 ppm
- 20 - 100 ppm
- 100 - 200 ppm
- > 200 ppm

### Maximum Arsenic Concentration (Non-Kitsap County Locations)

- ND - 20 ppm
- 20 - 100 ppm
- 100 - 200 ppm
- > 200 ppm

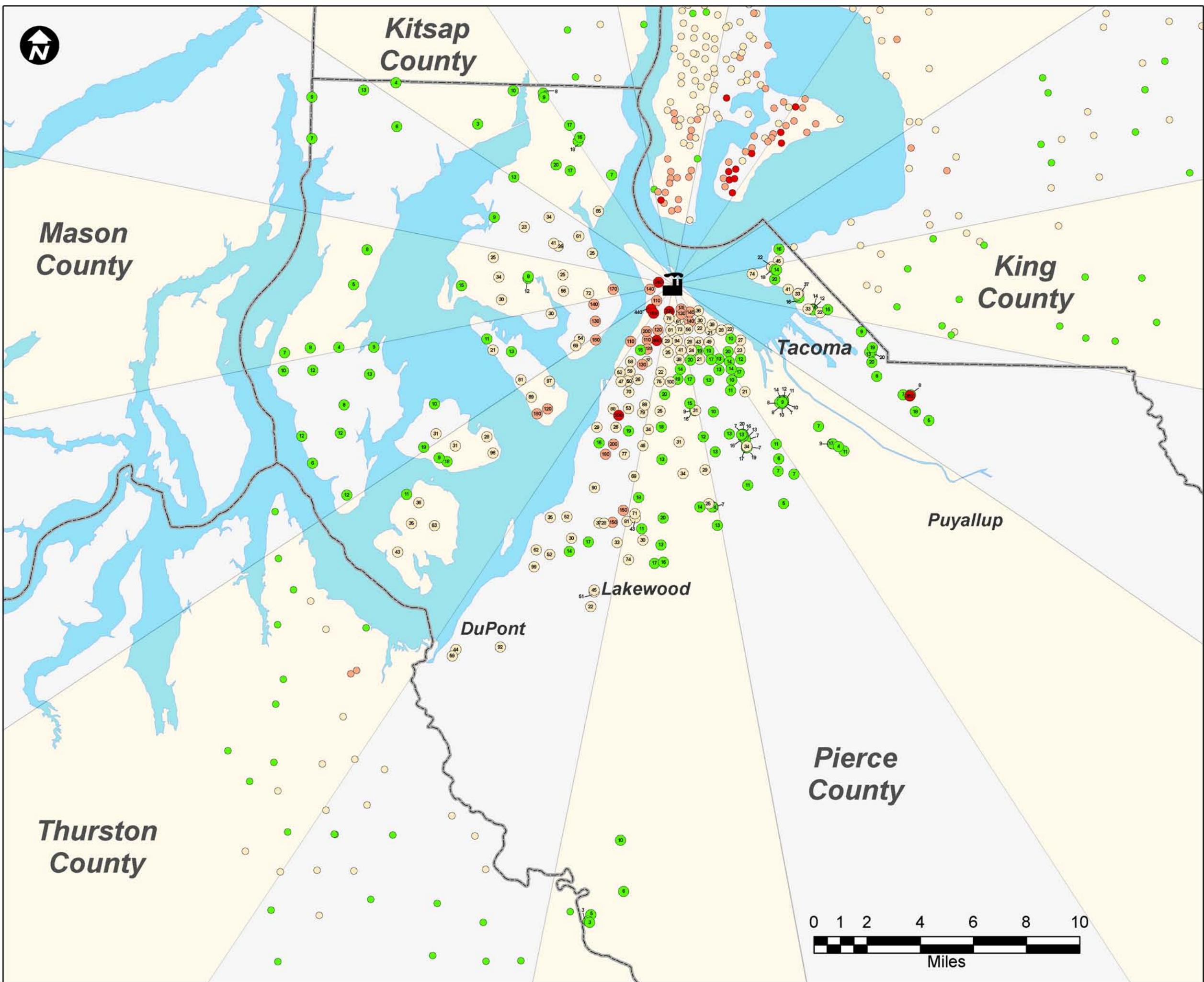
ND = Not Detected  
ppm = parts per million



Map Updated: December, 2004







# Tacoma Smelter Plume - Pierce County Maximum Arsenic Footprint

## Map Features

### Tacoma Smelter Stack



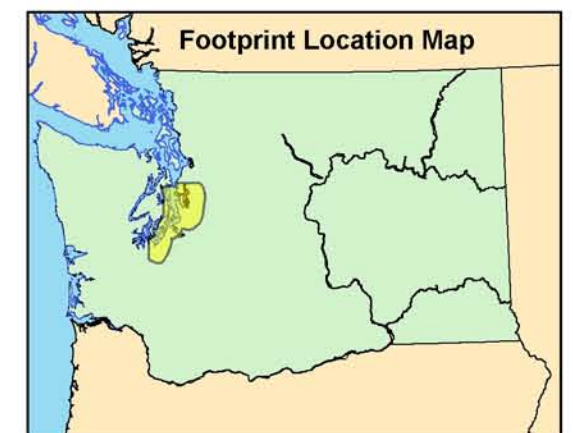
### Maximum Arsenic Concentration (Pierce County Locations)

- ND - 20 ppm
- 20 - 100 ppm
- 100 - 200 ppm
- > 200 ppm

### Maximum Arsenic Concentration (Non-Pierce County Locations)

- ND - 20 ppm
- 20 - 100 ppm
- 100 - 200 ppm
- > 200 ppm

ND = Not Detected  
ppm = parts per million



Map Updated: December, 2004







# Tacoma Smelter Plume - Thurston County Maximum Arsenic Footprint

## Map Features

### Tacoma Smelter Stack



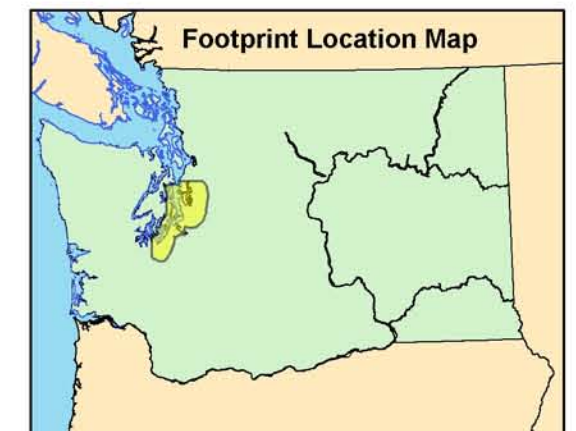
### Maximum Arsenic Concentration (Thurston County Locations)

- ND - 20 ppm
- 20 - 100 ppm
- 100 - 200 ppm
- > 200 ppm

### Maximum Arsenic Concentration (Non-Thurston County Locations)

- ND - 20 ppm
- 20 - 100 ppm
- 100 - 200 ppm
- > 200 ppm

ND = Not Detected  
ppm = parts per million



Map Updated: December, 2004



**Thurston County**

*Olympia*

*Lacey*

*Tumwater*

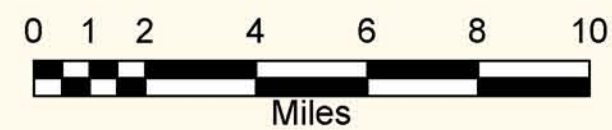
**Pierce County**

*Yelm*

*Rainier*

*Tenino*

*Bucoda*







# Tacoma Smelter Plume - Extended Footprint Lead Concentrations

## Map Features

Tacoma Smelter Stack



## Maximum Lead Concentration (Extended Footprint Locations)

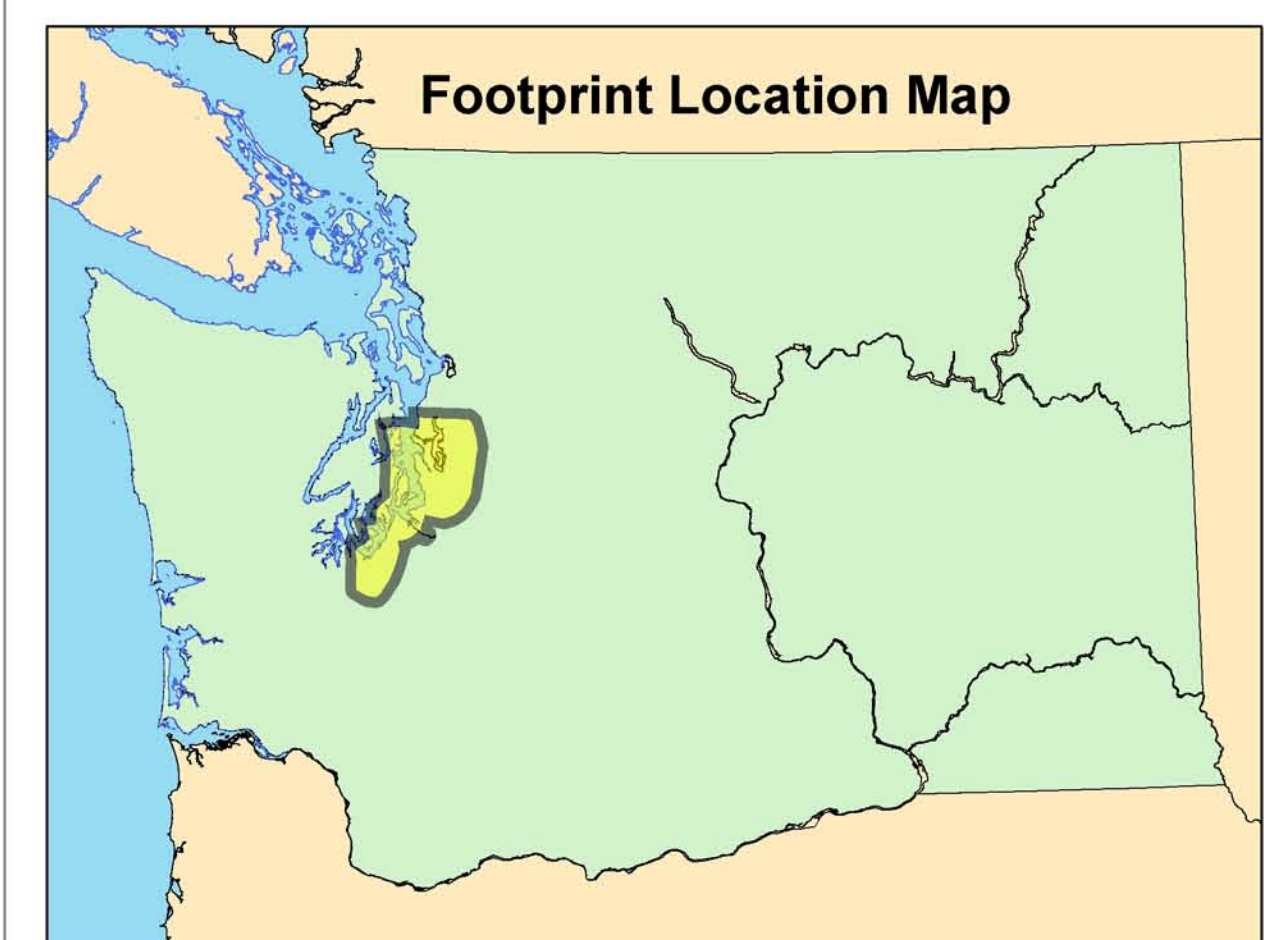
- ND - 250 ppm
- 250 - 500 ppm
- 500 - 1,000 ppm
- > 1,000 ppm

**253** Lead concentration greater than 250 ppm

## Maximum Lead Concentration (Initial Footprint Locations)

- ND - 250 ppm
- 250 - 500 ppm
- 500 - 1,000 ppm
- > 1,000 ppm

ND = Not Detected  
ppm = parts per million



Map Updated: December, 2004



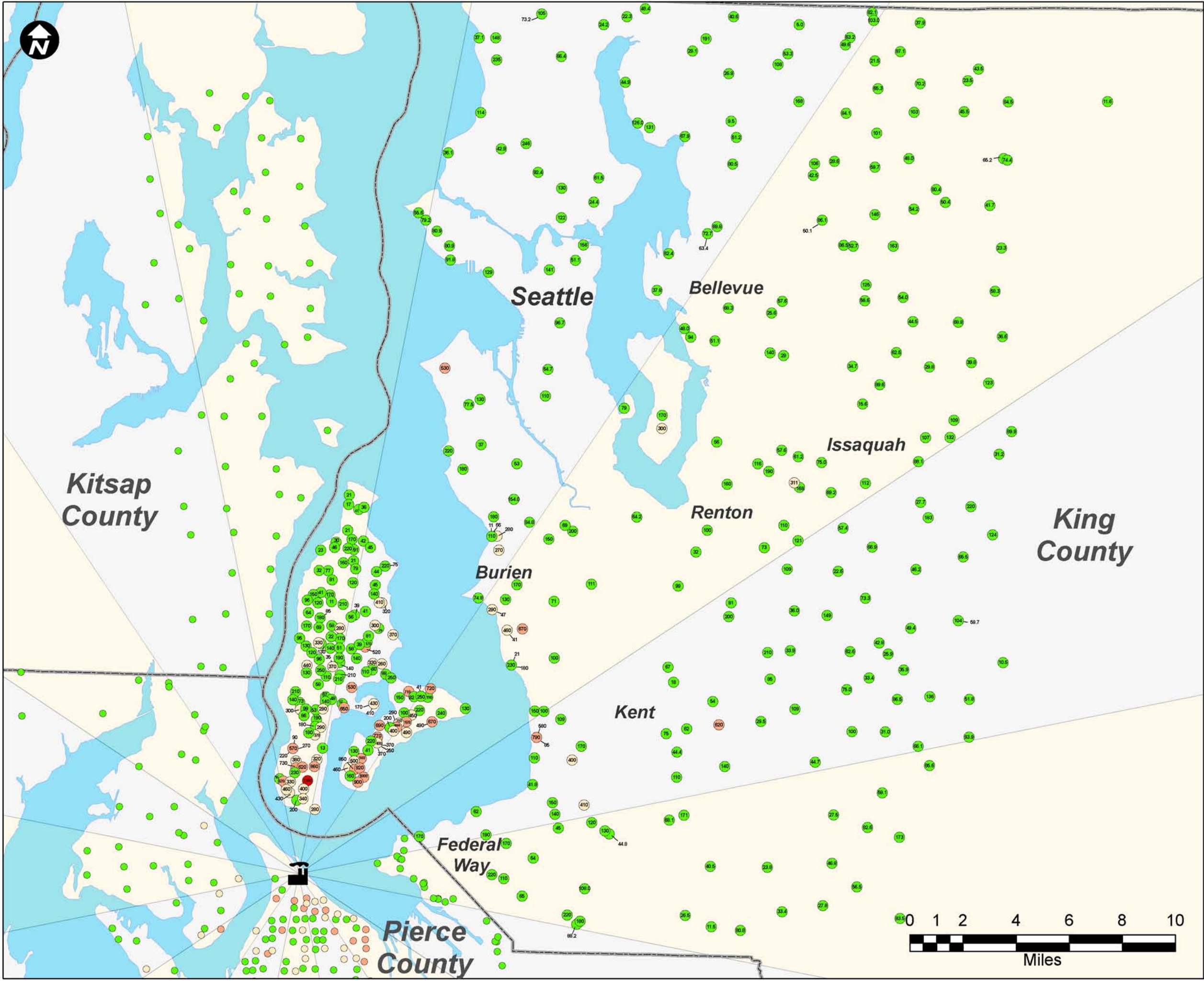
Thurston  
County

Kitsap  
County

King  
County

Pierce  
County





**Tacoma Smelter Plume - King  
County Maximum Lead Footprint**

**Map Features**

**Tacoma Smelter Stack**



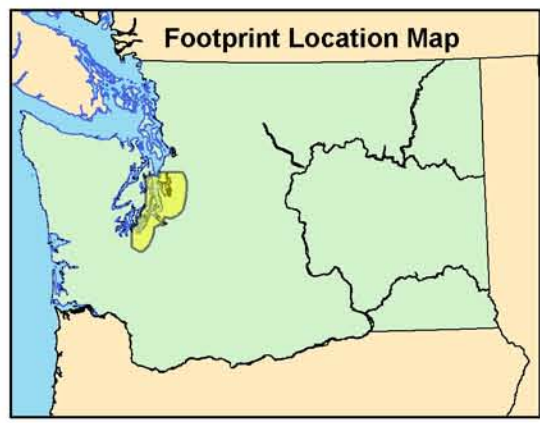
**Maximum Lead Concentration  
(King County Locations)**

- ND - 250 ppm
- 250 - 500 ppm
- 500 - 1,000 ppm
- > 1,000 ppm

**Maximum Lead Concentration  
(Non-King County Locations)**

- ND - 250 ppm
- 250 - 500 ppm
- 500 - 1,000 ppm
- > 1,000 ppm

ND = Not Detected  
ppm = parts per million



Map Updated: December, 2004      For Planning Purposes Only







# Tacoma Smelter Plume - Kitsap County Maximum Lead Footprint

## Map Features

### Tacoma Smelter Stack



### Maximum Lead Concentration (Kitsap County Locations)

- ND - 250 ppm
- 250 - 500 ppm
- 500 - 1,000 ppm
- > 1,000 ppm

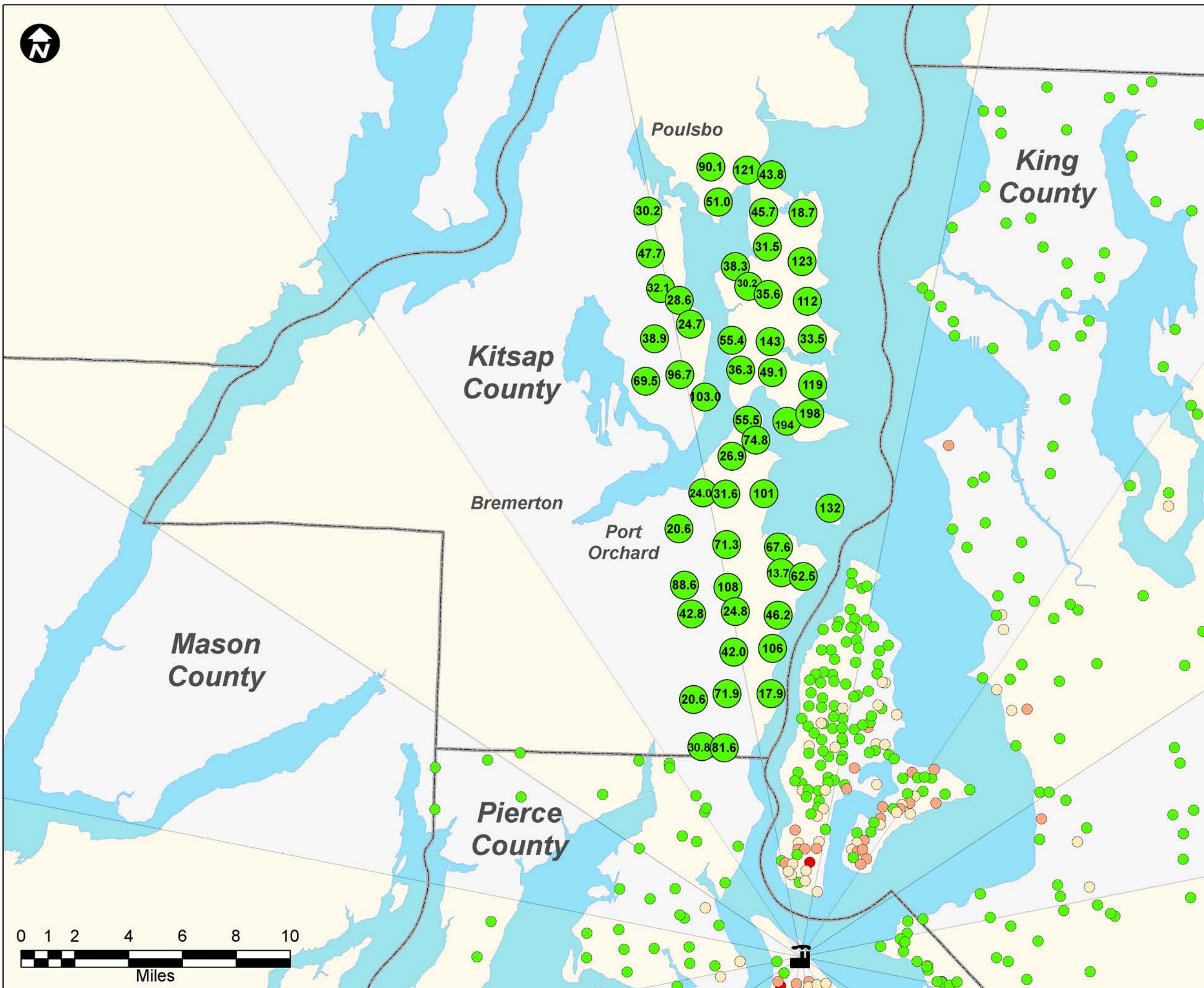
### Maximum Lead Concentration (Non-Kitsap County Locations)

- ND - 250 ppm
- 250 - 500 ppm
- 500 - 1,000 ppm
- > 1,000 ppm

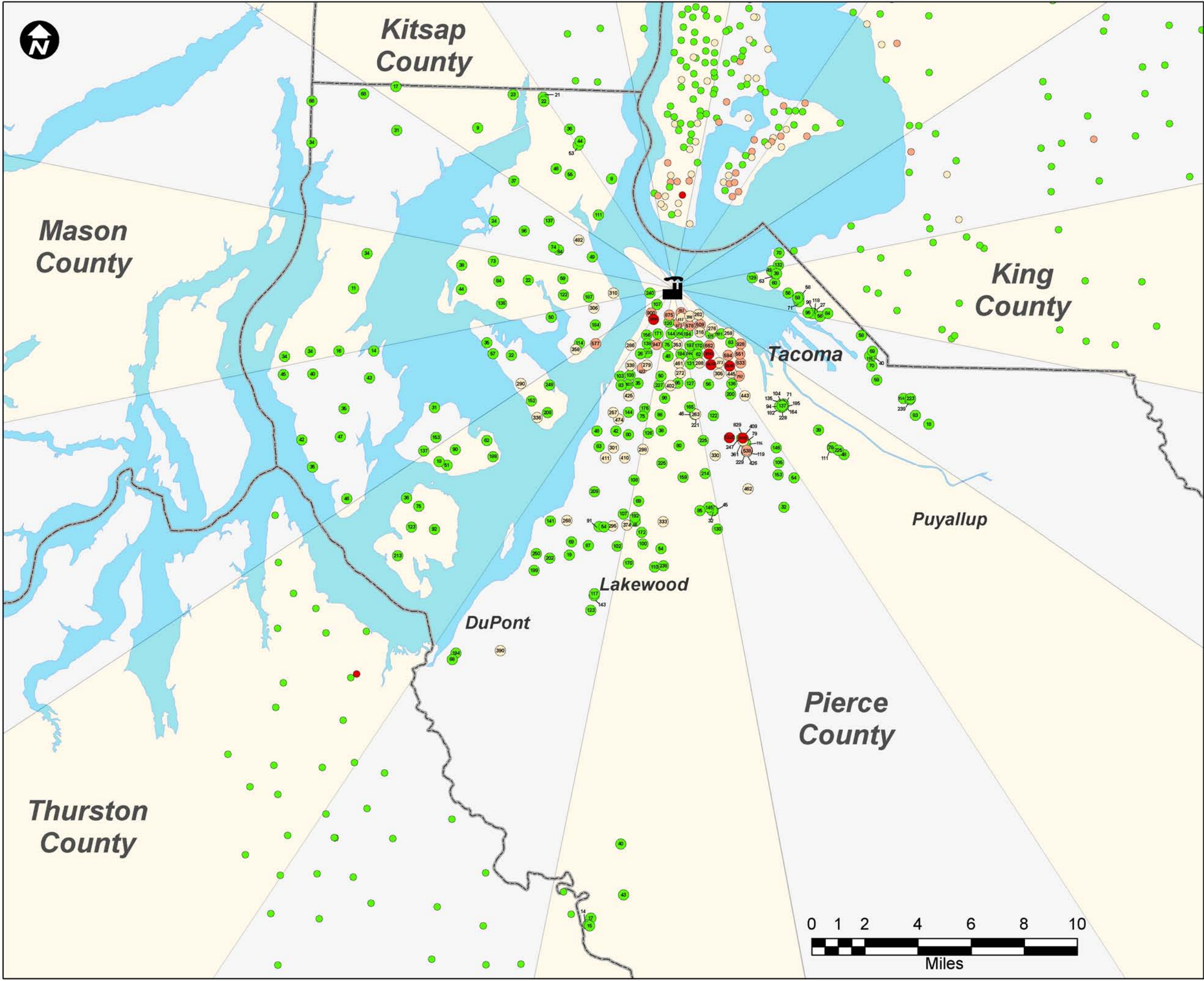
ND = Not Detected  
ppm = parts per million



Map Updated: December, 2004







**Tacoma Smelter Plume - Pierce County Maximum Lead Footprint**

**Map Features**

**Tacoma Smelter Stack**



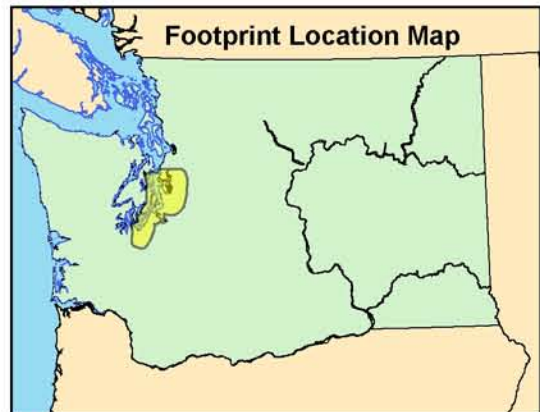
**Maximum Lead Concentration (Pierce County Locations)**

- ND - 250 ppm
- 250 - 500 ppm
- 500 - 1,000 ppm
- > 1,000 ppm

**Maximum Lead Concentration (Non-Pierce County Locations)**

- ND - 250 ppm
- 250 - 500 ppm
- 500 - 1,000 ppm
- > 1,000 ppm

ND = Not Detected  
ppm = parts per million



Map Updated: December, 2004







# Tacoma Smelter Plume - Thurston County Maximum Lead Footprint

## Map Features

### Tacoma Smelter Stack



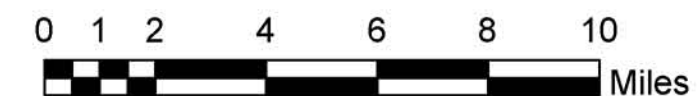
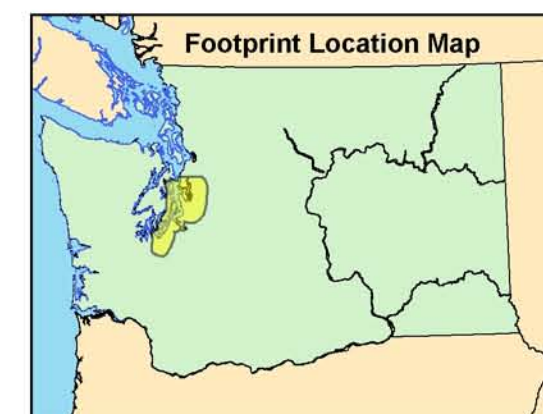
### Maximum Lead Concentration (Thurston County Locations)

- ND - 250 ppm
- 250 - 500 ppm
- 500 - 1,000 ppm
- > 1,000 ppm

### Maximum Lead Concentration (Non-Thurston County Locations)

- ND - 250 ppm
- 250 - 500 ppm
- 500 - 1,000 ppm
- > 1,000 ppm

ND = Not Detected  
ppm = parts per million



Map Updated: December, 2004



**Thurston County**

**Pierce County**

*Olympia*

*Lacey*

*Tumwater*

*Yelm*

*Rainier*

*Tenino*

*Bucoda*

